The Los Angeles River Revitalization Master Plan

Our River, Our Future

In partnership with:

The Los Angeles River Revitalization Master Plan

Our River, Our Future

Planning for Revitalization

- **Eighteen-month planning process**
- **Looking at these diverse goals:**

Environmental Guidelines & Community Reinvestment

Improve Environmental Quality

Improve Public Access to River

Improve Recreation and Open Spaces

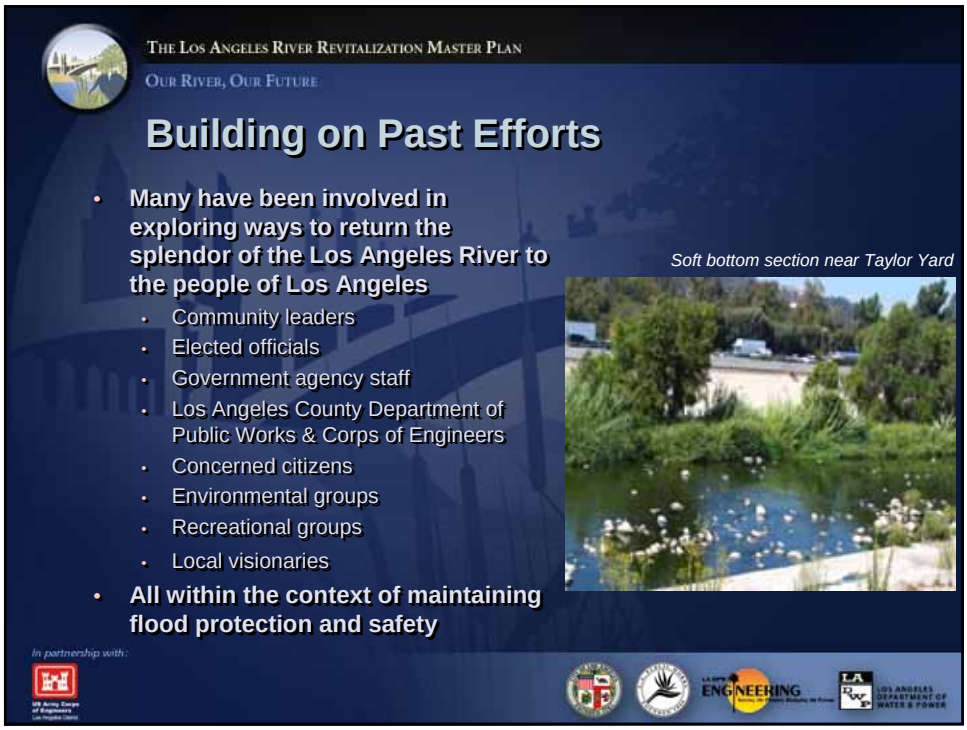
Enhance Flood Protection

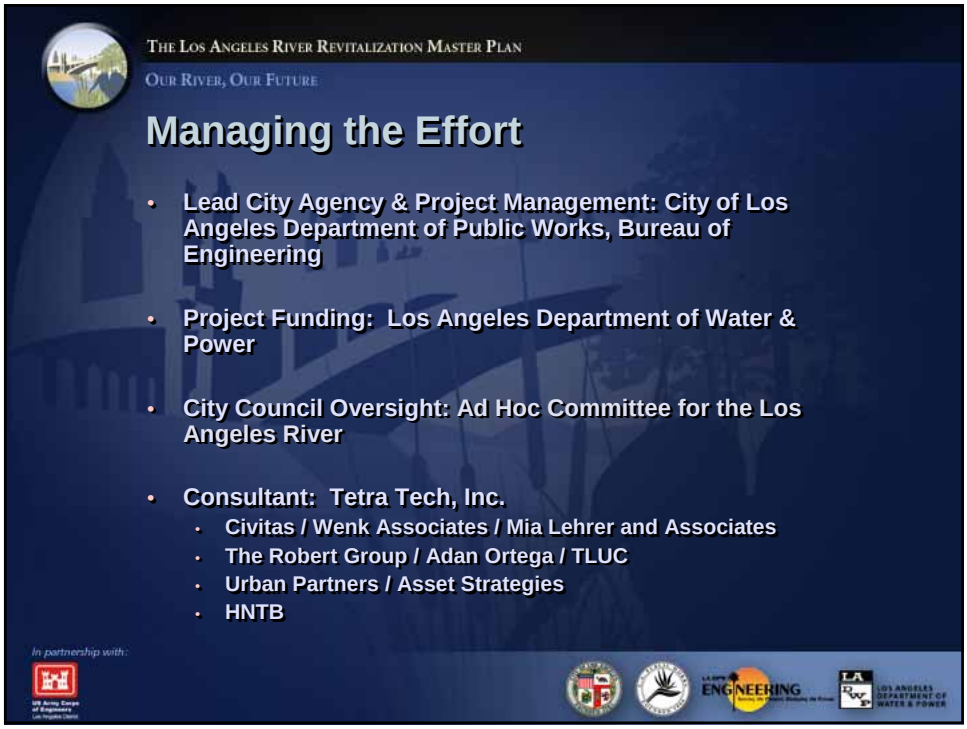
Increase Awareness and Pride in the LA River

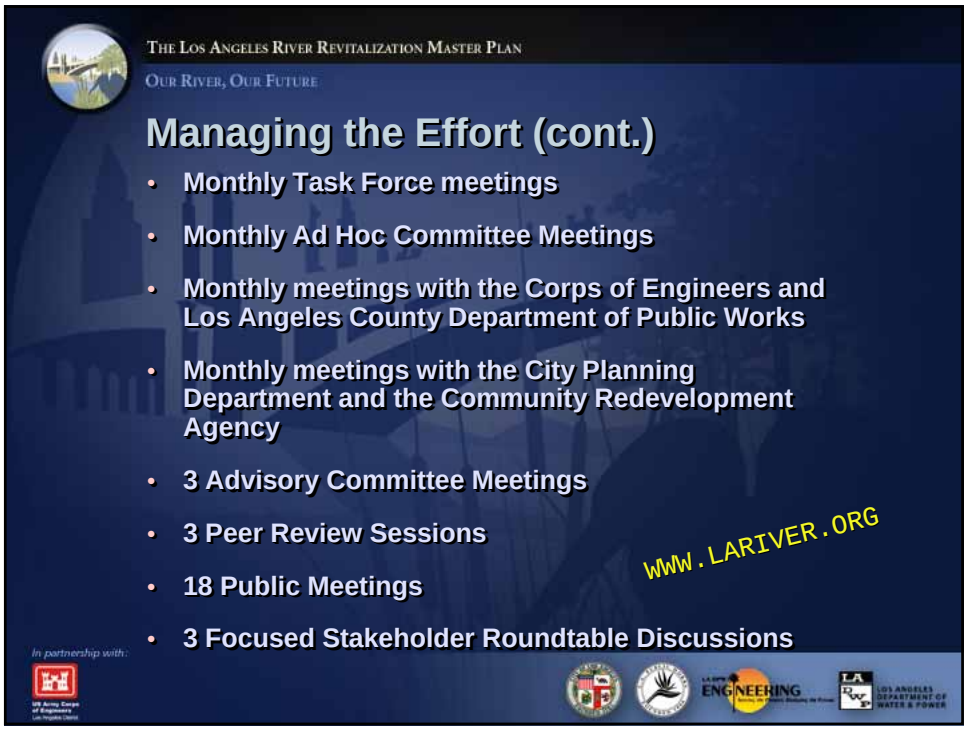
Confluence at Arroyo Seco

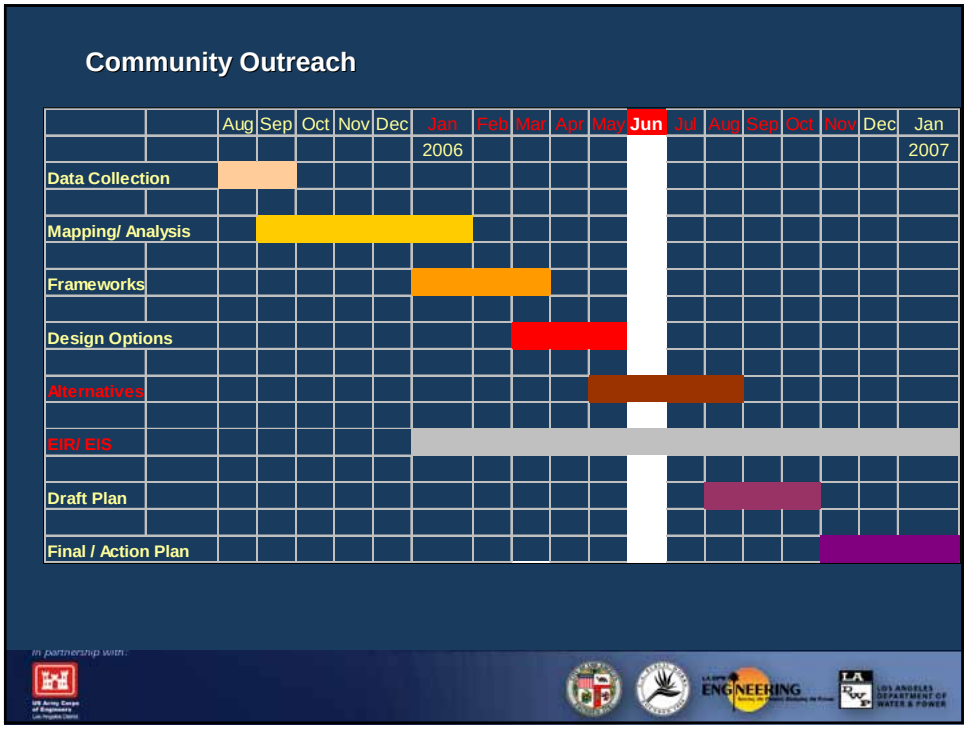
In partnership with:

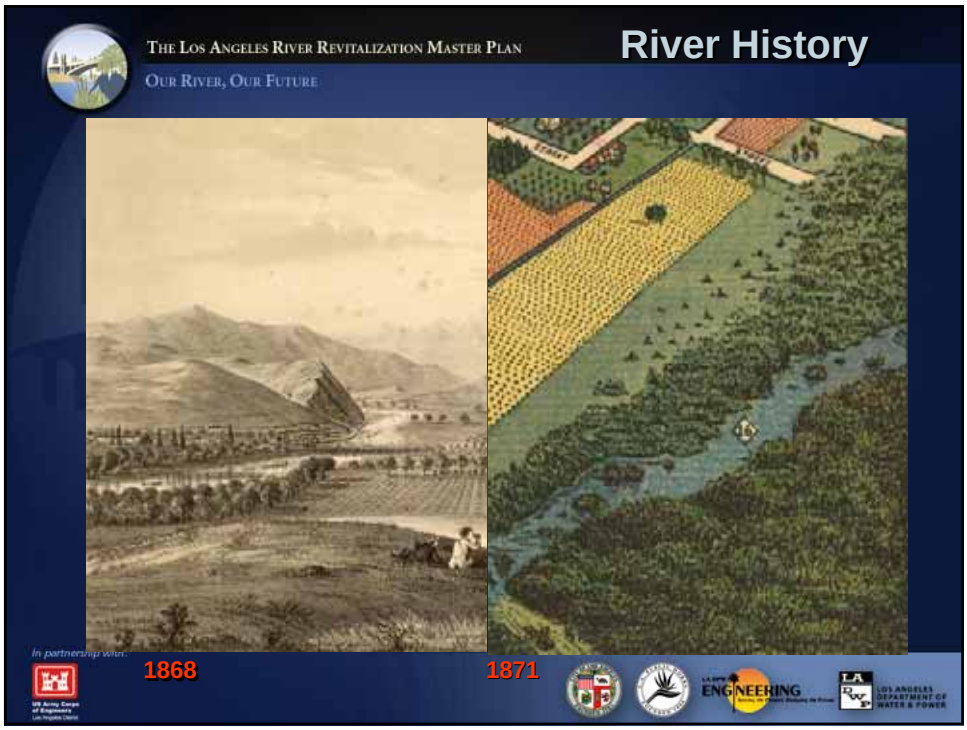
Geographic Extent
San Fernando Valley
Glendale Narrows
Downtown LA
Flows 32 miles within the City of Los Angeles
In partnership with:


The Los Angeles River Revitalization Master Plan
Our River, Our Future
Building on Past Efforts
Many have been involved in exploring ways to return the splendor of the Los Angeles River to the people of Los Angeles
Community leaders
Elected officials
Government agency staff
Los Angeles County Department of Public Works & Corps of Engineers
Concerned citizens
Environmental groups
Recreational groups
Local visionaries
All within the context of maintaining flood protection and safety
Soft bottom section near Taylor Yard
In partnership with:


The Los Angeles River Revitalization Master Plan
Our River, Our Future
Managing the Effort
• Lead City Agency & Project Management: City of Los Angeles Department of Public Works, Bureau of Engineering
• Project Funding: Los Angeles Department of Water & Power
• City Council Oversight: Ad Hoc Committee for the Los Angeles River
• Consultant: Tetra Tech, Inc.
• Civitas / Wenk Associates / Mia Lehrer and Associates
• The Robert Group / Adan Ortega / TLUC
• Urban Partners / Asset Strategies
• HNTB
In partnership with:
ENGINEERING


The Los Angeles River Revitalization Master Plan
Our River, Our Future
Managing the Effort (cont.)
• Monthly Task Force meetings
• Monthly Ad Hoc Committee Meetings
• Monthly meetings with the Corps of Engineers and Los Angeles County Department of Public Works
• Monthly meetings with the City Planning Department and the Community Redevelopment Agency
• 3 Advisory Committee Meetings
• 3 Peer Review Sessions
• 18 Public Meetings
• 3 Focused Stakeholder Roundtable Discussions
WWW.LARIVER.ORG
In partnership with:
ENGINEERING


Community Outreach
Aug Sep Oct Nov Dec Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec Jan
2006
2007
Data Collection
Mapping/ Analysis
Frameworks
Design Options
Alternatives
EIR/ EIS
Draft Plan
Final / Action Plan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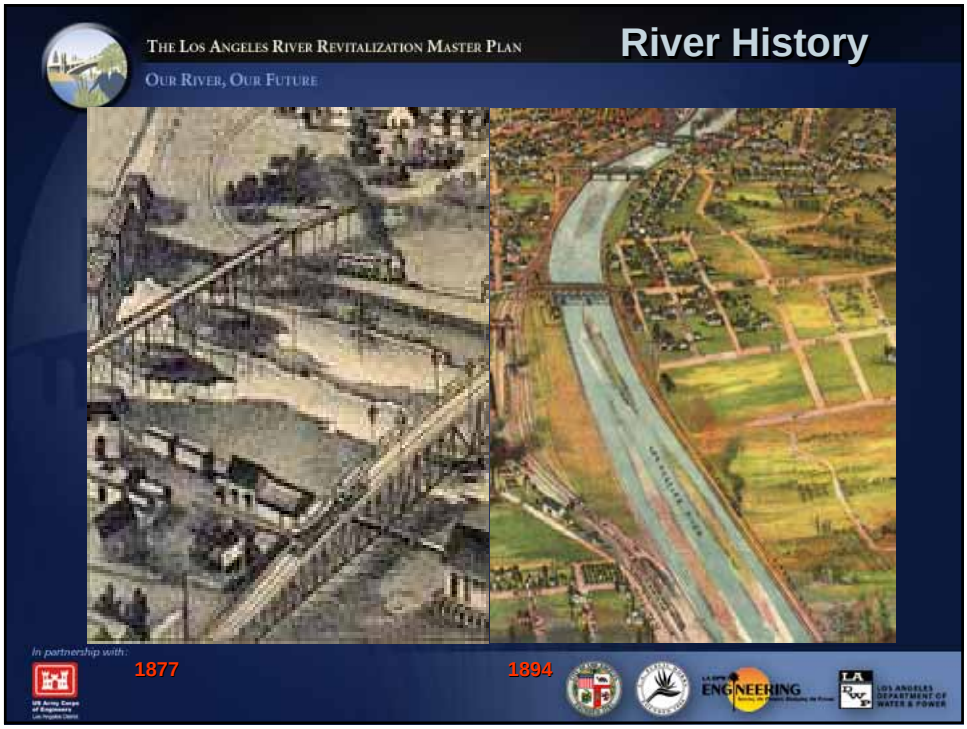
Our River, Our Future
River History
1868
1871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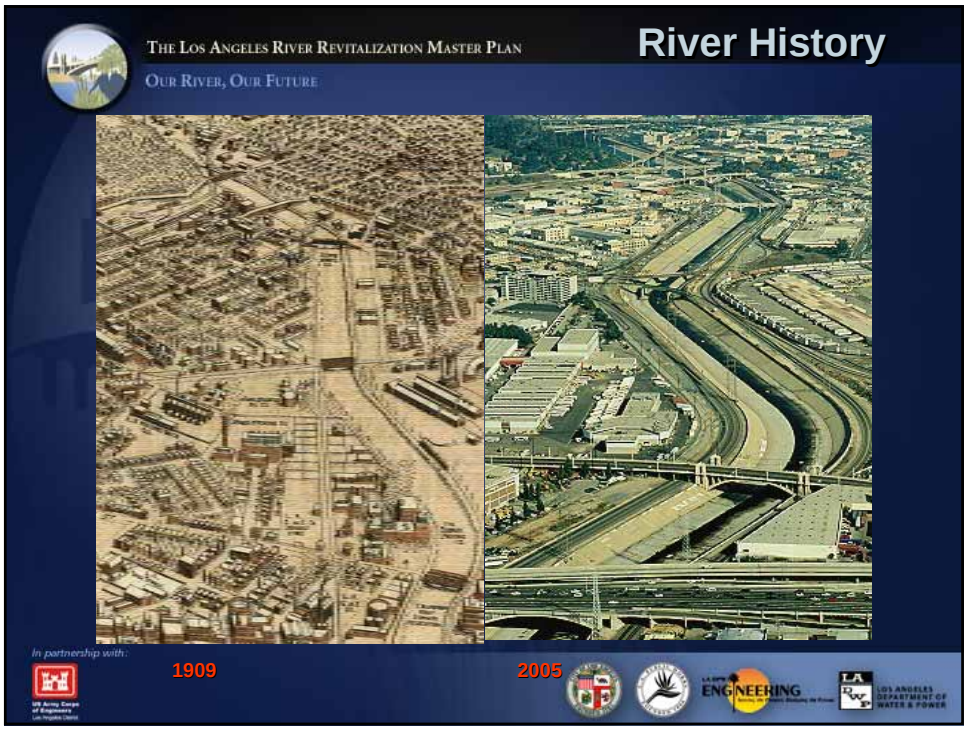
Our River, Our Future
River History
1877
1894
In partnership with: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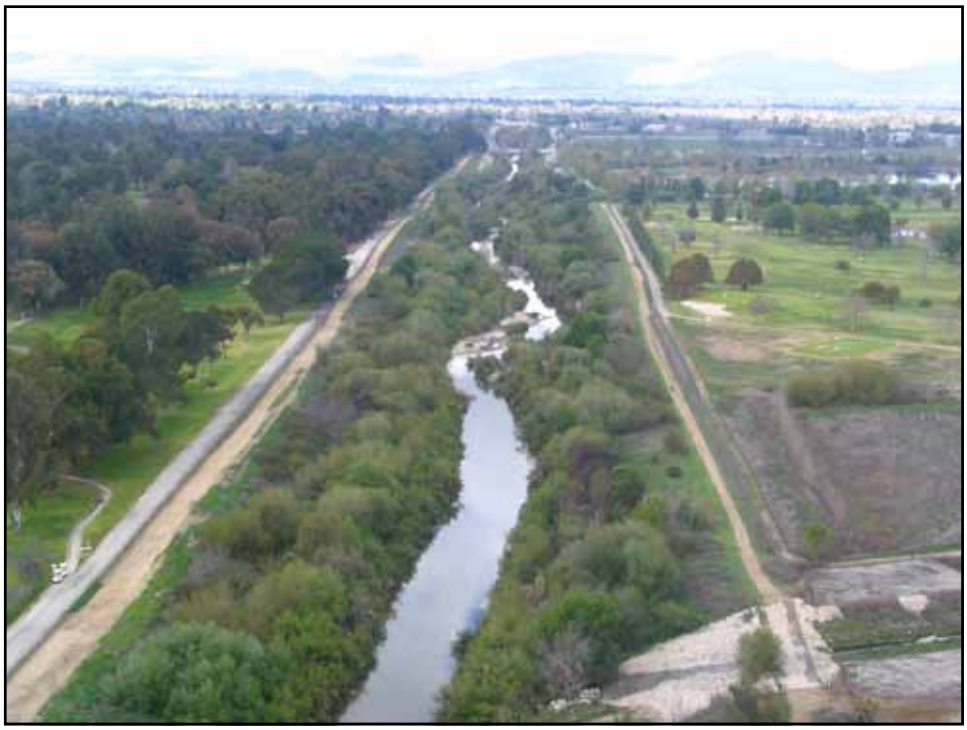
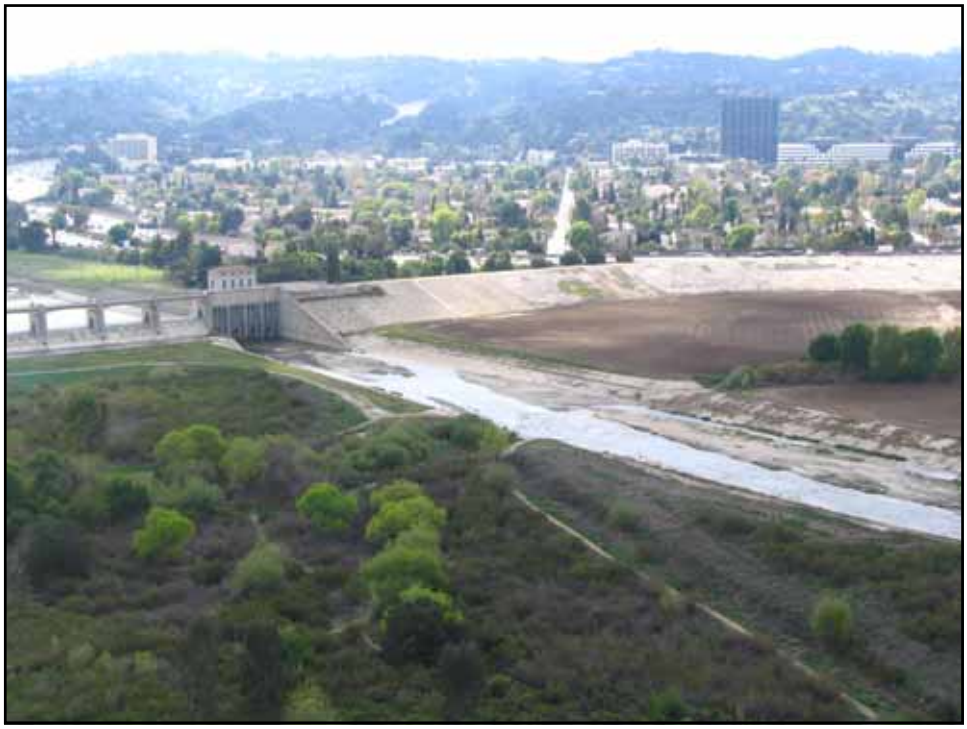
Our River, Our Future
River History
1909
2005
In partnership with:





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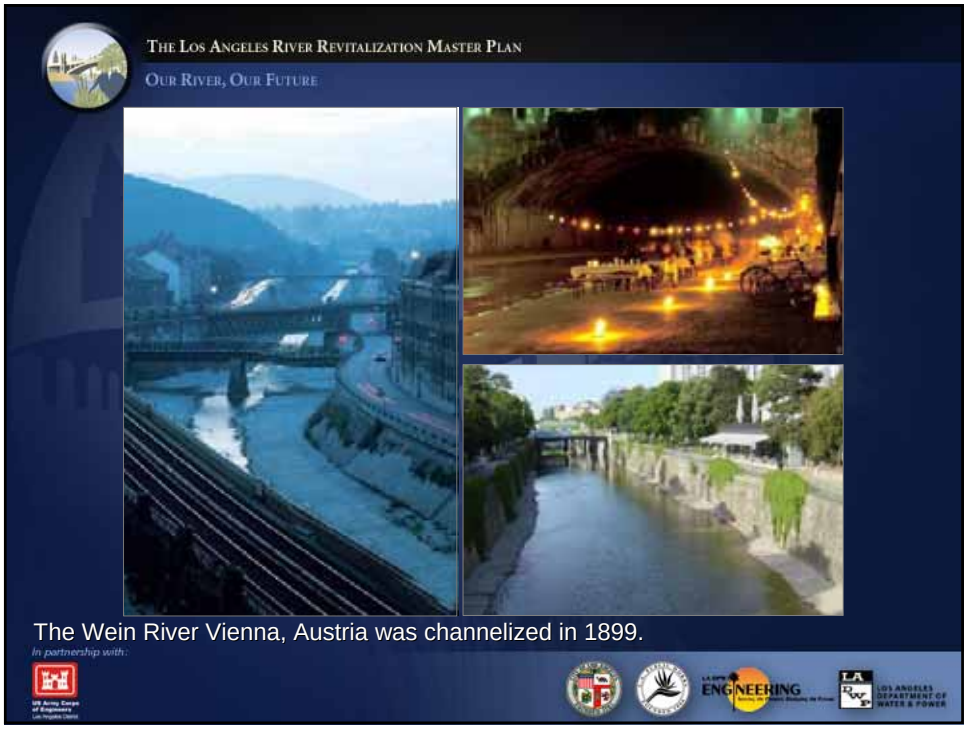
Our River, Our Future
River Precedents
In partnership with:
US Army Corps of Engineers
ENGINEERING
Los Angeles Department of Water & Power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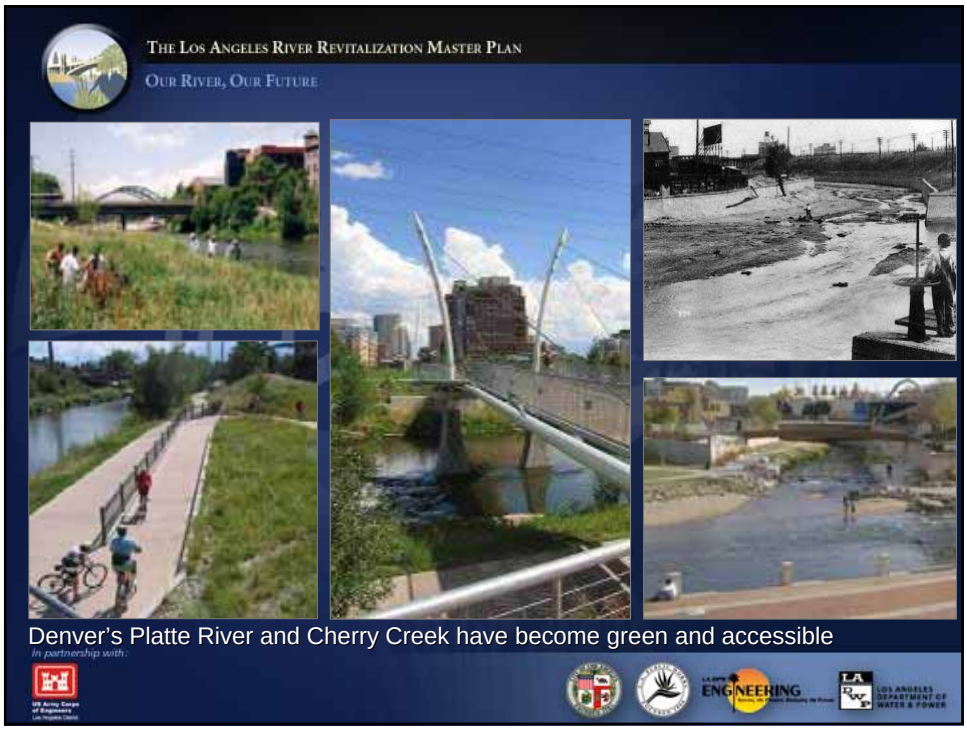
Our River, Our Future
The Wein River Vienna, Austria was channelized in 1899.
In partnership with: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Denver's Platte River and Cherry Creek have become green and accessible
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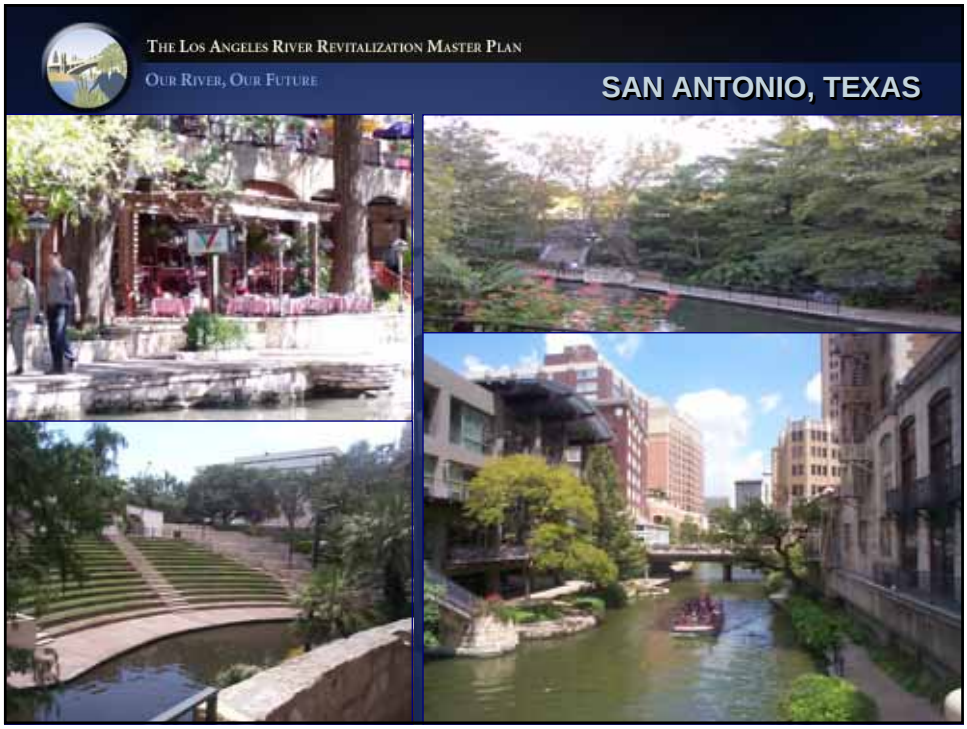
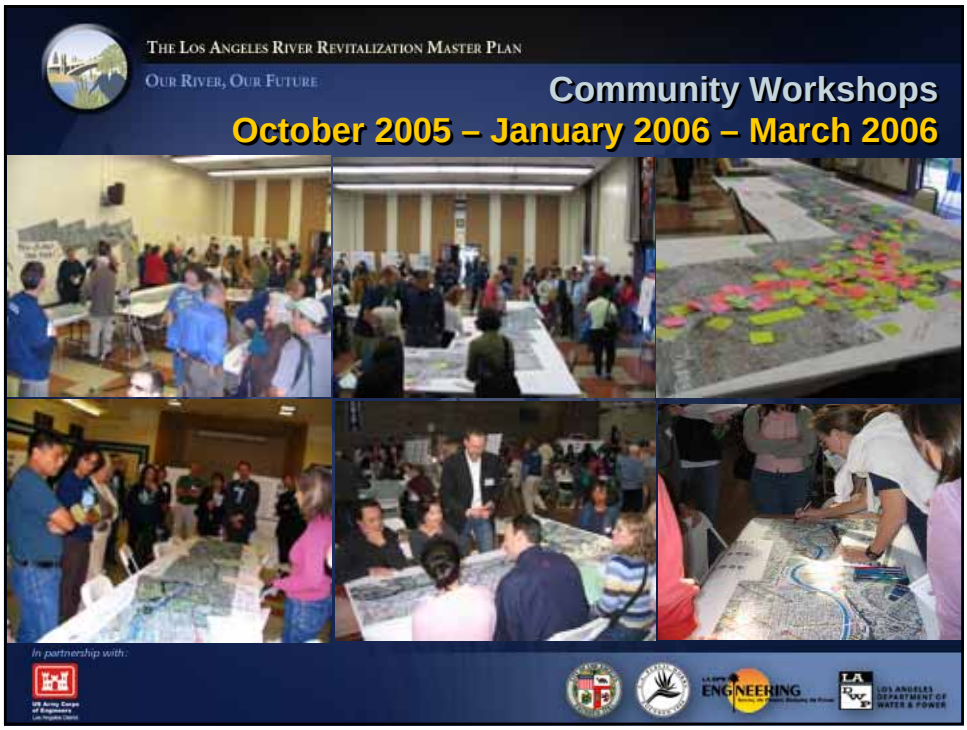

The Los Angeles River Revitalization Master Plan
Our River, Our Future
SAN ANTONIO, TEXAS

Cheong Gyecheon River, Seoul Korea

Rio Besos, Barcelona
HABITAT AND HUMANITY


The Los Angeles River Revitalization Master Plan
Our River, Our Future
Community Workshops
October 2005 – January 2006 – March 2006
In partnership with:
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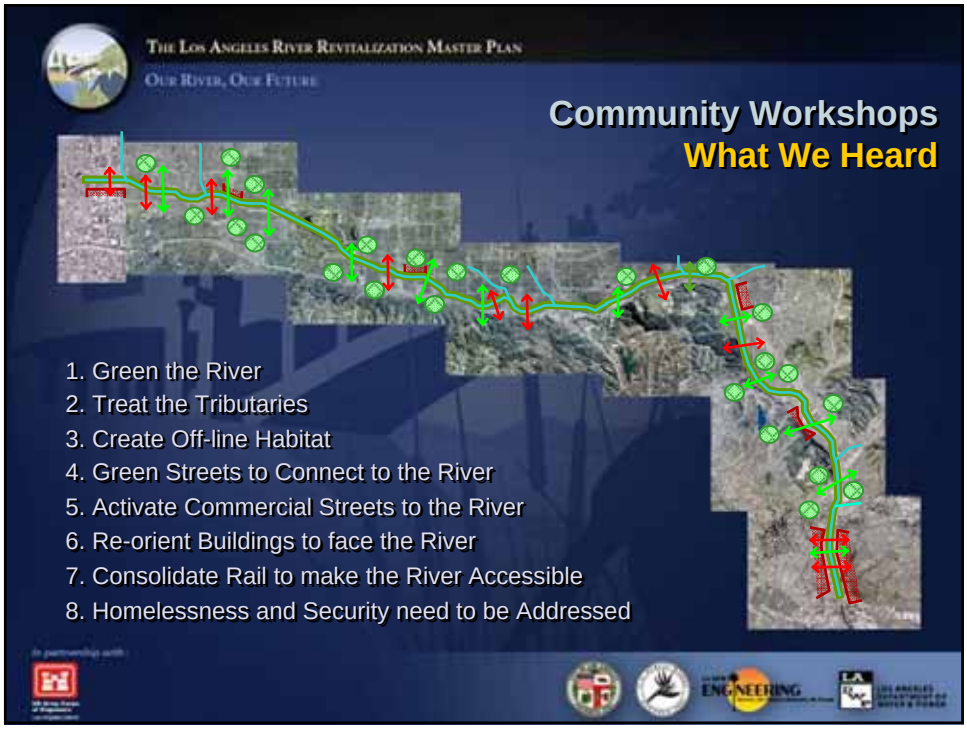
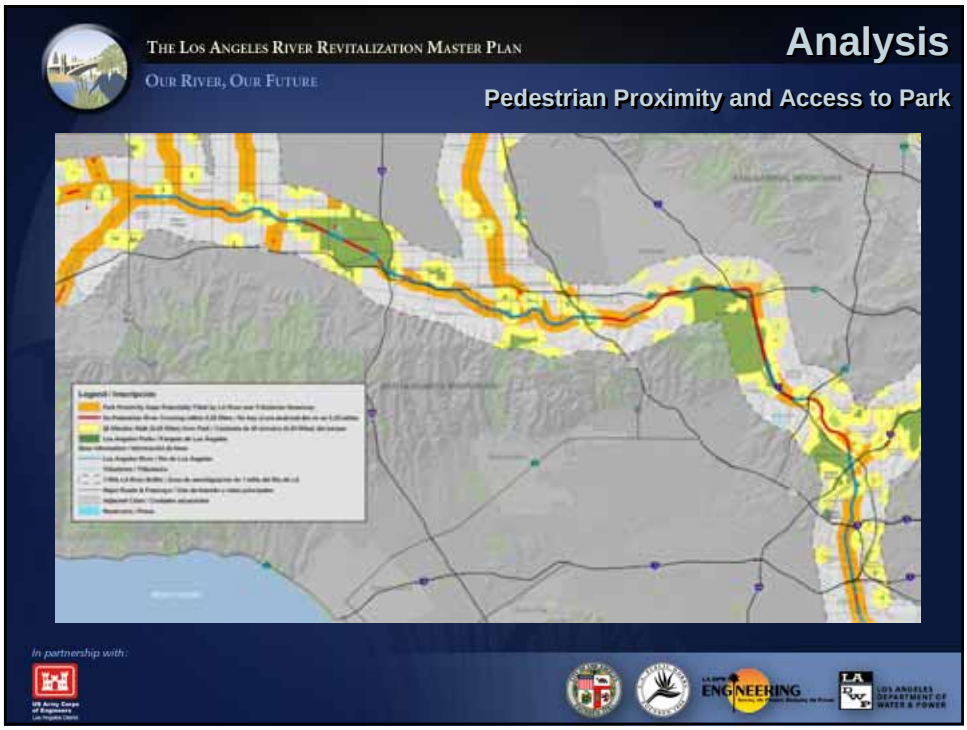
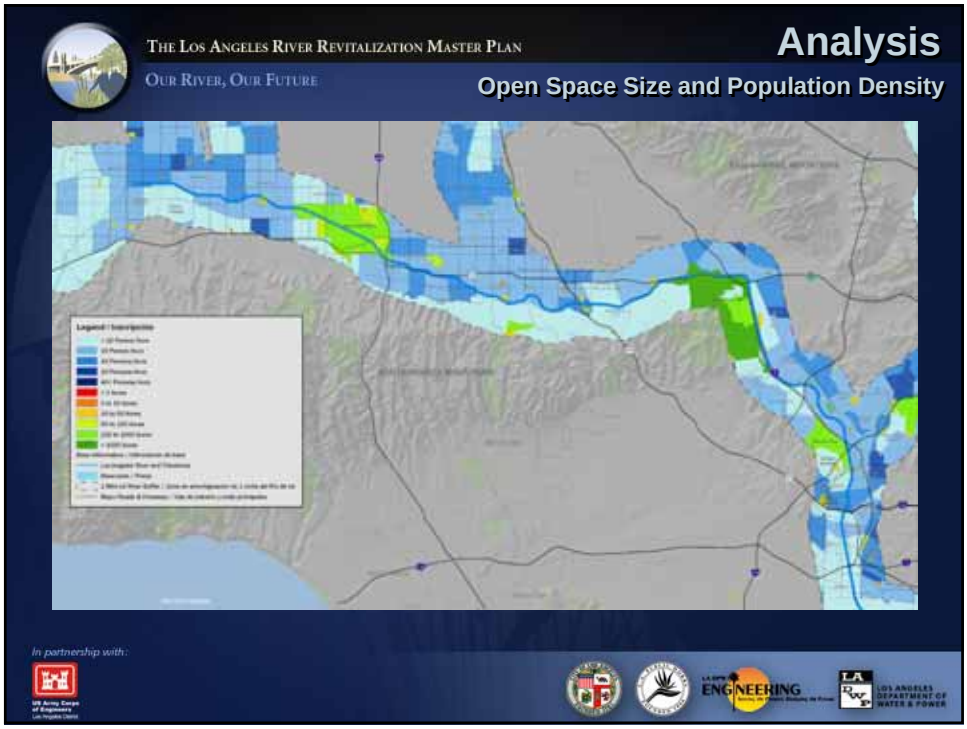
LA DWP
Los Angeles Department of Water & Power


The Los Angeles River Revitalization Master Plan
Our River, Our Future
Community Workshops
What We Heard
1. Green the River
2. Treat the Tributaries
3. Create Off-line Habitat
4. Green Streets to Connect to the River
5. Activate Commercial Streets to the River
6. Re-orient Buildings to face the River
7. Consolidate Rail to make the River Accessible
8. Homelessness and Security need to be Addressed


The Los Angeles River Revitalization Master Plan
Our River, Our Future
Analysis
Pedestrian Proximity and Access to Park


The Los Angeles River Revitalization Master Plan
Our River, Our Future
Analysis
Open Space Size and Population Density
In partnership with:
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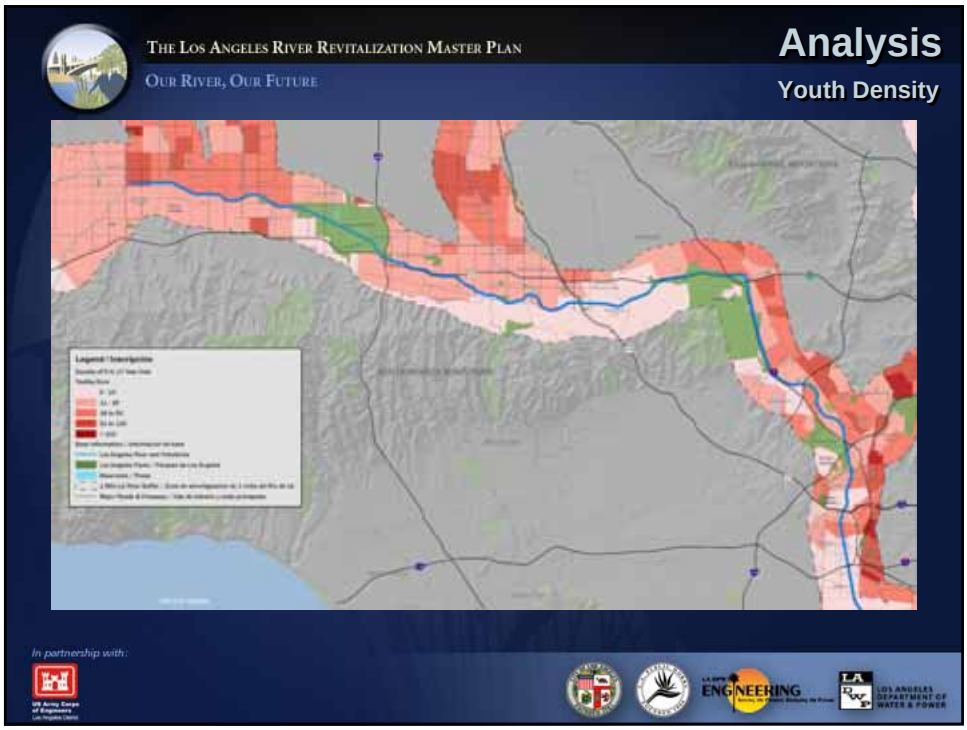
Los Angeles Department of Water & Power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Analysis
Youth Density
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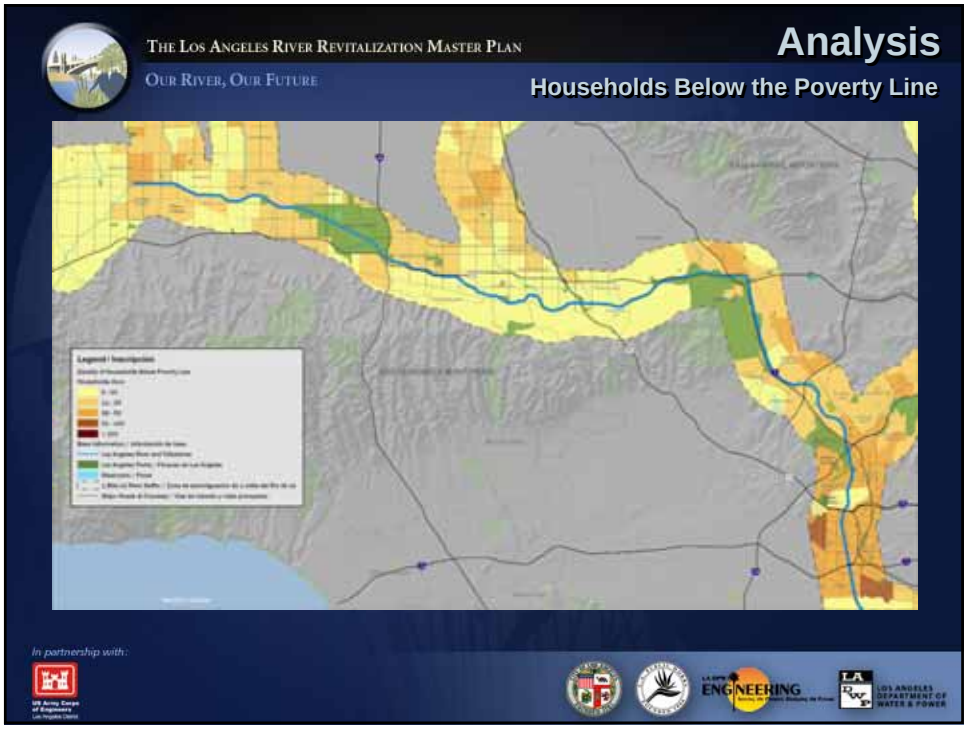
THE LOS ANGELES RIVER REVITALIZATION MASTER PLAN
OUR RIVER, OUR FUTURE
Analysis
Households Below the Poverty Line
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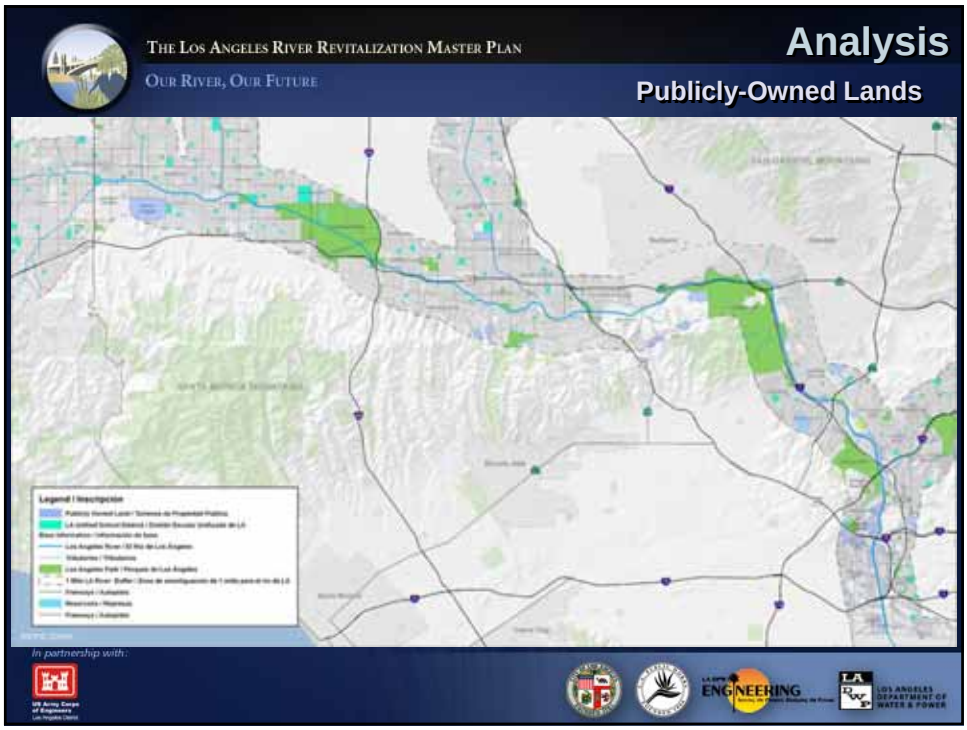
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OUR RIVER, OUR FUTURE
Analysis
Publicly-Owned Lands
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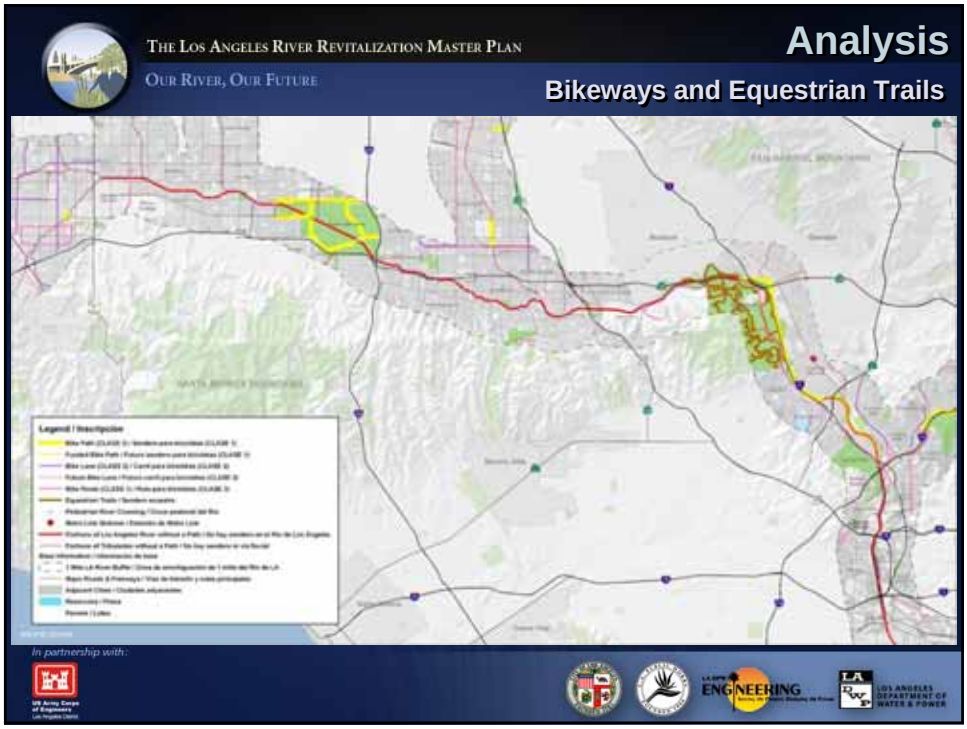
THE LOS ANGELES RIVER REVITALIZATION MASTER PLAN
OUR RIVER, OUR FUTURE
Analysis
Bikeways and Equestrian Trails
In partnership with:

THE LOS ANGELES RIVER REVITALIZATION MASTER PLAN
OUR RIVER, OUR FUTURE
Analysis
Bikeways and Equestrian Trails
In partnership with:

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Analysis

Current Projects

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OUR RIVER, OUR FUTURE

Planning Strategies

River Channel

- Watershed Strategy
- Hydraulic Capacity
- Green Veil
- Green Terrace
- Natural Area Restoration
- River Parkway

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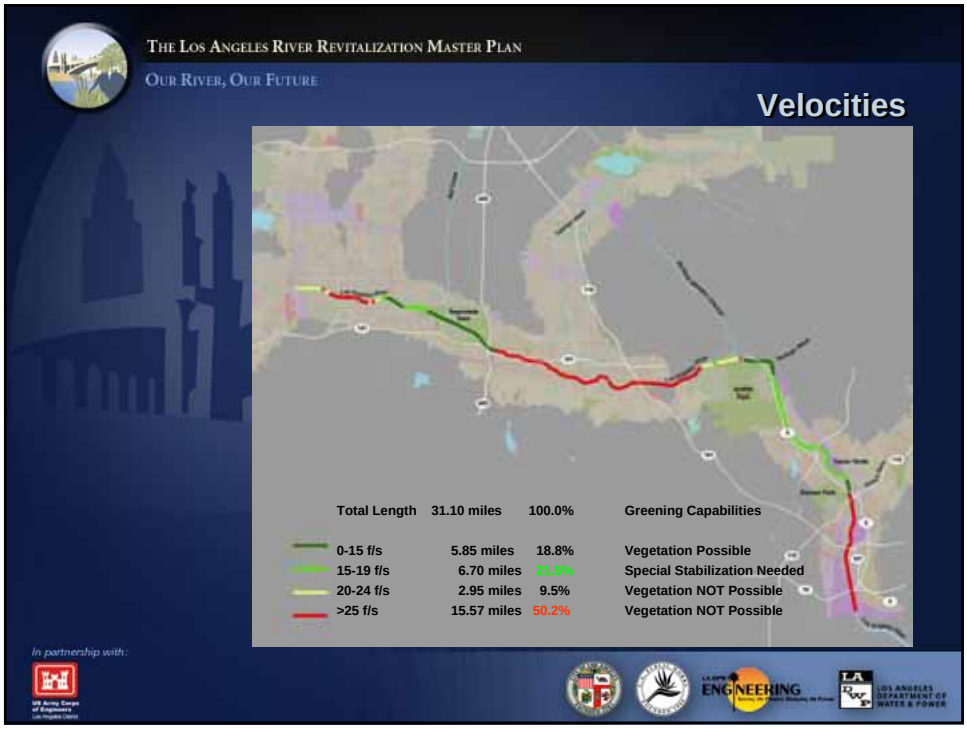
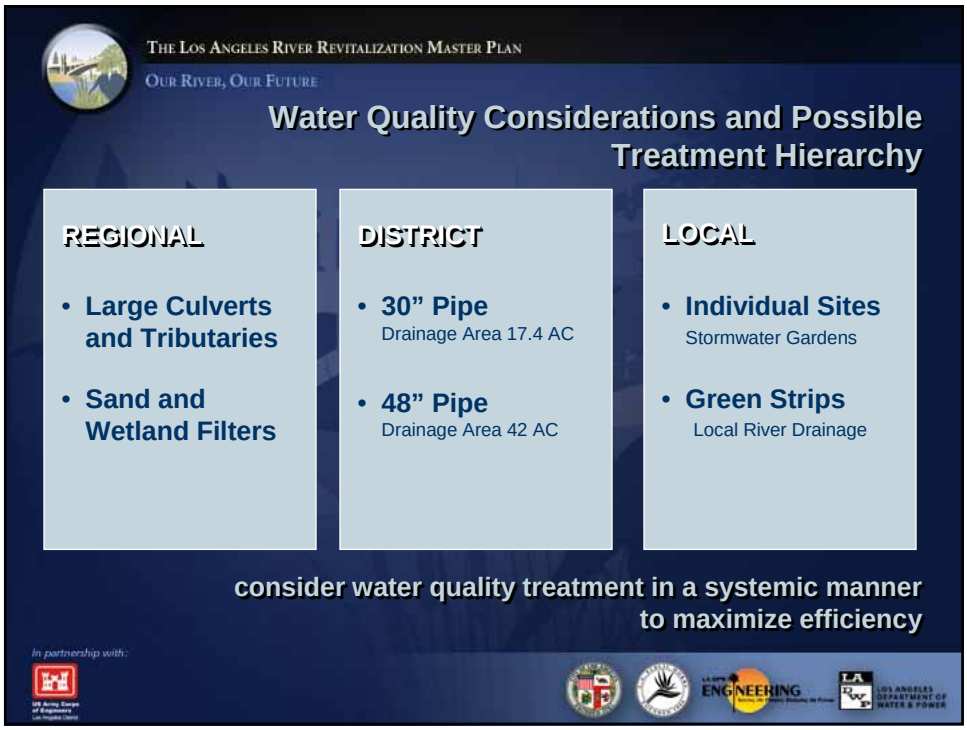

THE LOS ANGELES RIVER REVITALIZATION MASTER PLAN
OUR RIVER, OUR FUTURE
Velocities
Total Length 31.10 miles 100.0% Greening Capabilities
0-15 f/s 5.85 miles 18.8% Vegetation Possible
15-19 f/s 6.70 miles 21.5% Special Stabilization Needed
20-24 f/s 2.95 miles 9.5% Vegetation NOT Possible
>25 f/s 15.57 miles 50.2% Vegetation NOT Possible
In partnership with:

THE LOS ANGELES RIVER REVITALIZATION MASTER PLAN
OUR RIVER, OUR FUTURE
"More Green" Requires More Capacity
CHANNEL IMPROVEMENTS ABOVE DESIGN STORM
30% GREEN
100% GREEN
In partnership with:

The Los Angeles River Revitalization Master Plan
Our River, Our Future
Channel Treatments
The Green Veil
The Green Terrace
In-Channel
Water Quality Terrace
The River Parkway
Natural Area Restoration
In partnership with:

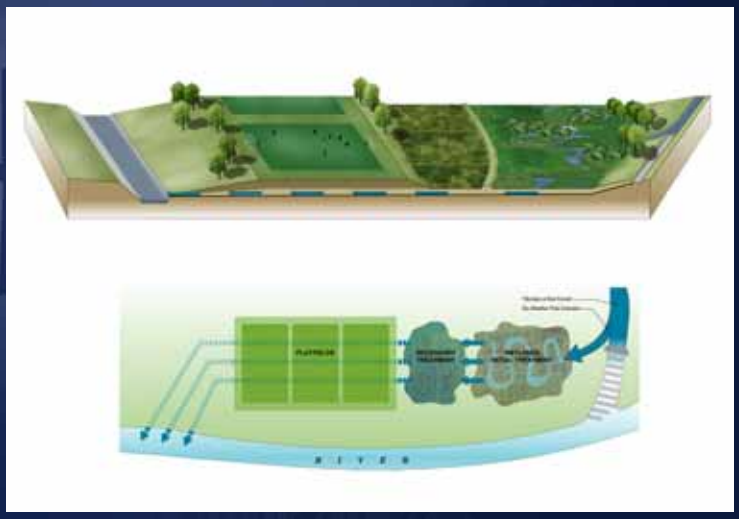

The Los Angeles River Revitalization Master Plan
Our River, Our Future
Water Quality Considerations and Possible Treatment Hierarchy
REGIONAL
• Large Culverts and Tributaries
• Sand and Wetland Filters
DISTRICT
• 30” Pipe
Drainage Area 17.4 AC
• 48” Pipe
Drainage Area 42 AC
LOCAL
• Individual Sites
Stormwater Gardens
• Green Strips
Local River Drainage
consider water quality treatment in a systemic manner to maximize efficiency
In partnership with:

THE LOS ANGELES RIVER REVITALIZATION MASTER PLAN

OUR RIVER, OUR FUTURE

Regional Water Quality Treatment

- Divert dry weather flows from large culverts and small tributaries through large areas of wetland and other natural filters.



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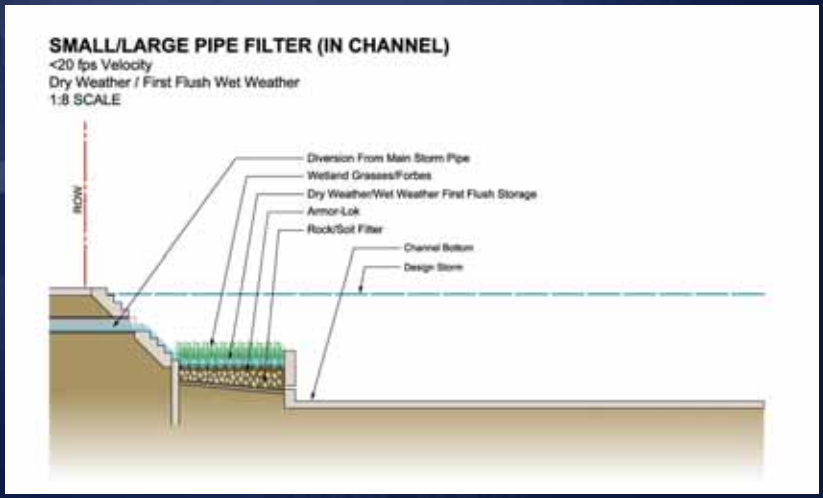
In-Channel Water Quality Terrace



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Integrate localized solutions where cost and maintenance effective

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Planning Strategies (cont.)

Parks and Open Space

- Watershed Strategy
- Park and Open Space Strategies
- Local Access

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The Los Angeles River Revitalization Master Plan
Our River, Our Future
Watershed Strategy
•Store larger amounts of flood waters
In partnership with:

The Los Angeles River Revitalization Master Plan
Our River, Our Future
Watershed Strategy
•Store larger amounts of flood waters
•Improve water quality of smaller tributaries
In partnership with:

The Los Angeles River Revitalization Master Plan
Our River, Our Future
Watershed Strategy
•Store larger amounts of flood waters
•Improve water quality of smaller tributaries
•Improve water quality of storm sewers emptying into the river
Adopt concepts that Reinforce the City & County water management strategies
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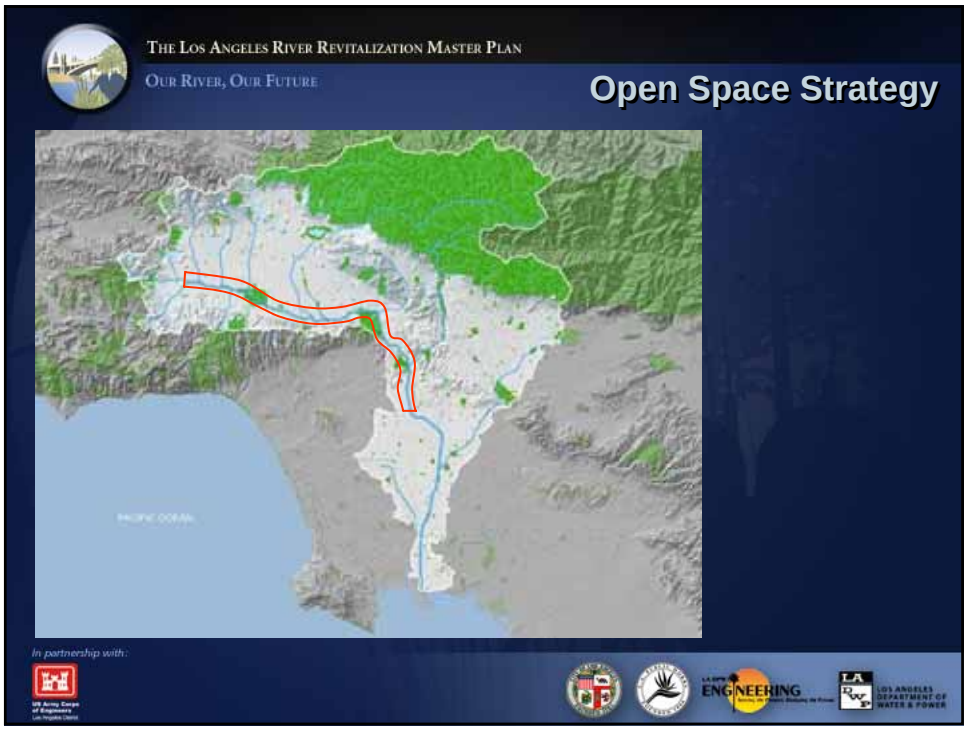
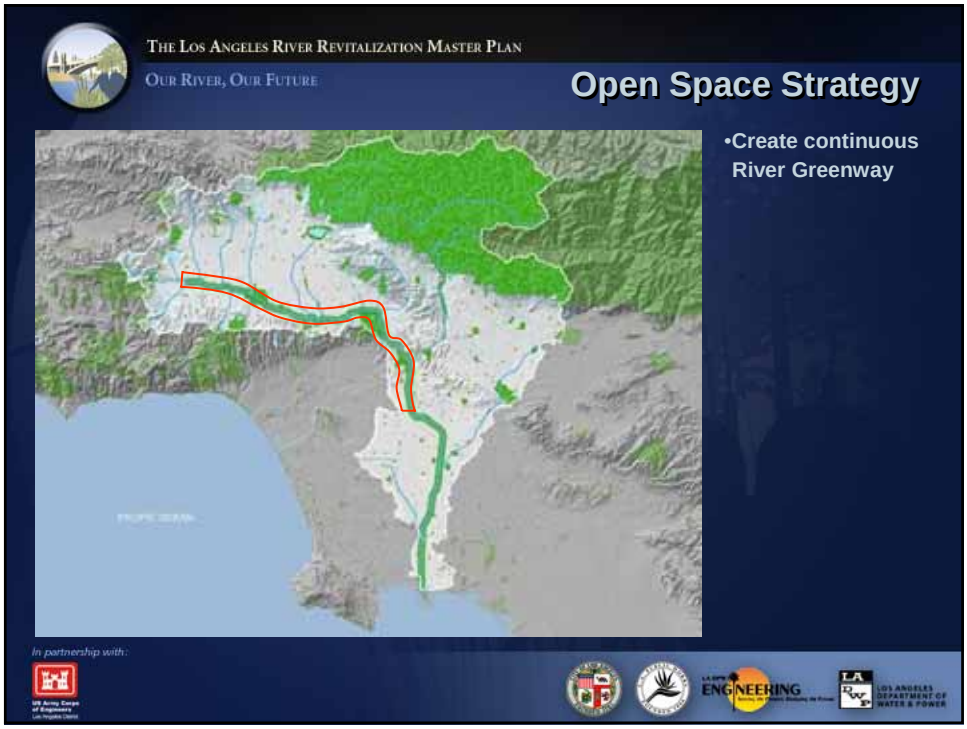
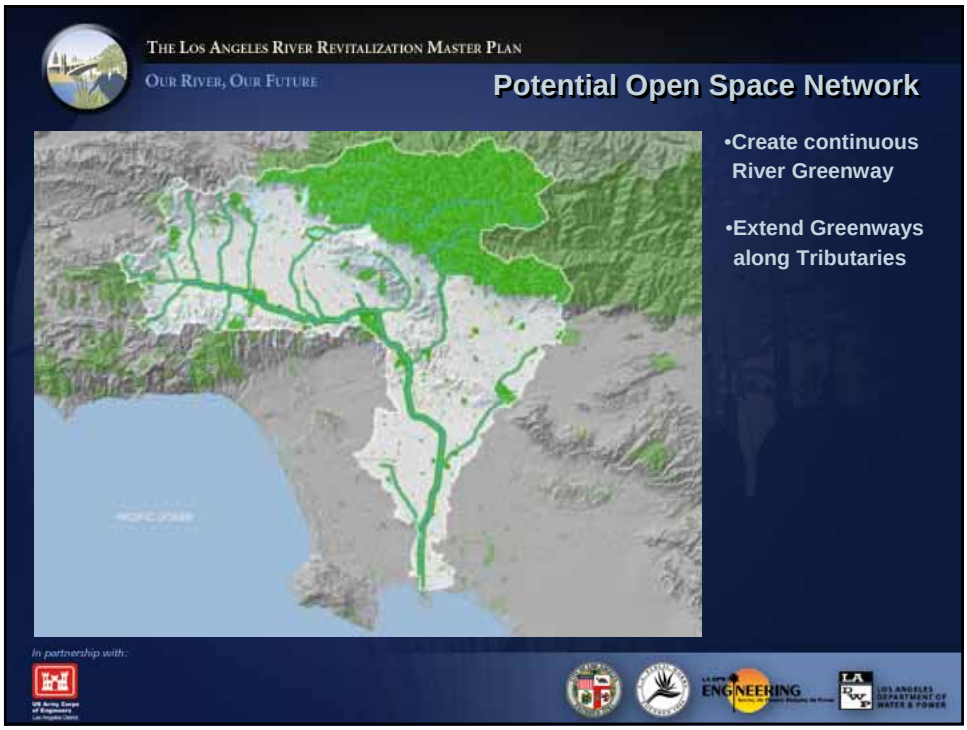
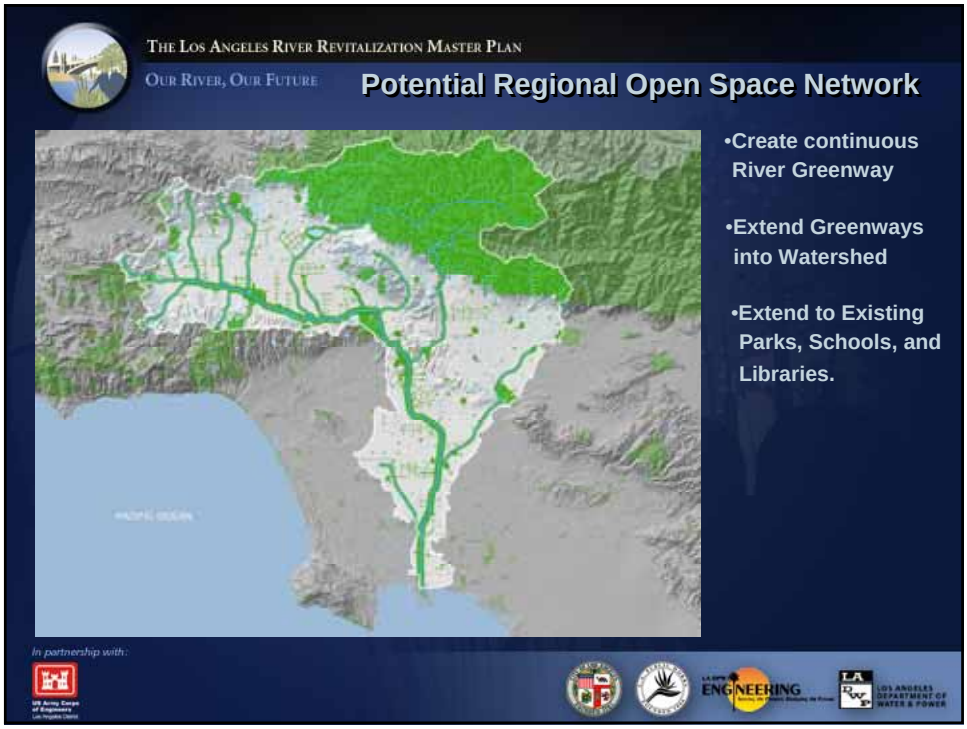
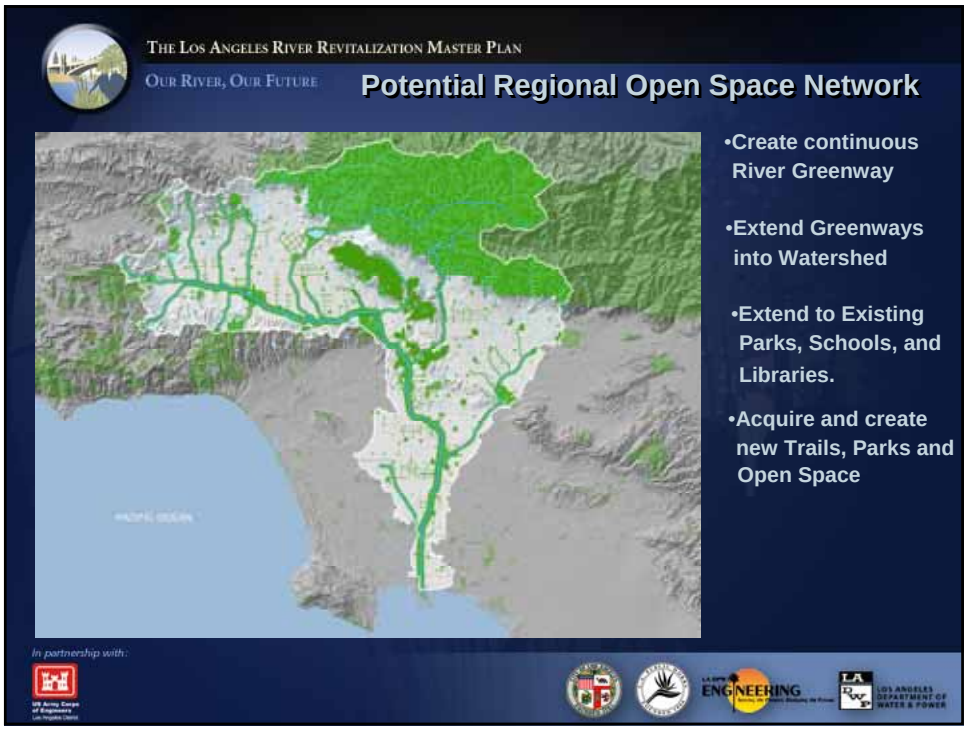

The Los Angeles River Revitalization Master Plan
Our River, Our Future
Open Space Strategy
In partnership with:


The Los Angeles River Revitalization Master Plan
Our River, Our Future
Open Space Strategy
•Create continuous River Greenway
In partnership with:


The Los Angeles River Revitalization Master Plan
Our River, Our Future
Potential Open Space Network
•Create continuous River Greenway
•Extend Greenways along Tributaries
In partnership with:


The Los Angeles River Revitalization Master Plan
Our River, Our Future
Potential Regional Open Space Network
•Create continuous River Greenway
•Extend Greenways into Watershed
•Extend to Existing Parks, Schools, and Libraries.
In partnership with:


The Los Angeles River Revitalization Master Plan
Our River, Our Future
Potential Regional Open Space Network
•Create continuous River Greenway
•Extend Greenways into Watershed
•Extend to Existing Parks, Schools, and Libraries.
•Acquire and create new Trails, Parks and Open Space
In partnership with:

THE LOS ANGELES RIVER REVITALIZATION MASTER PLAN

OUR RIVER, OUR FUTURE

Potential Regional Open Space Network

- Create continuous River Greenway
- Extend Greenways into Watershed
- Extend to Existing Parks, Schools, and Libraries.
- Acquire and create new Trails, Parks and Open Space
- Connect to create Open Space Network

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OUR RIVER, OUR FUTURE

Planning Strategies (cont.)

Community Development

Community Context

Orient Buildings

Activate Streets

Active Nodes

Economic Reinvestment

In partnership with:

The Los Angeles River Revitalization Master Plan
Our River, Our Future
Adjacent Land Uses
Parks with Recreation
& Water Quality Features
Local Access
Mixed-use Reinvestment
Office Reinvestment
Industrial Reinvestment
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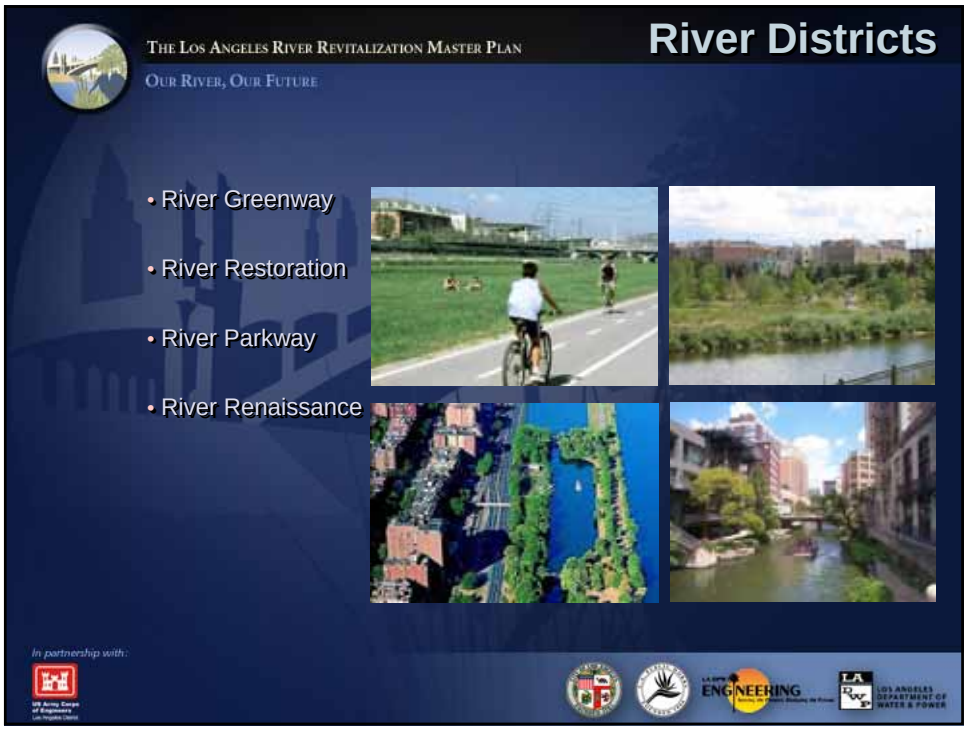
The Los Angeles River Revitalization Master Plan
Our River, Our Future
River Districts
• River Greenway
• River Restoration
• River Parkway
• River Renaissance
In partnership with:

The Los Angeles River Revitalization Master Plan
Our River, Our Future
River Districts
River Parkway
Ventura Freeway to the Glendale Freeway
River Greenway
Baseline Condition
River Restoration
Sepulveda Basin
River Renaissance
Glendale Freeway to Washington Boulevard

The Los Angeles River Revitalization Master Plan
Our River, Our Future
Areas of Opportunity

THE LOS ANGELES RIVER REVITALIZATION MASTER PLAN

OUR RIVER, OUR FUTURE

Site Selection Criteria

Five sites to be selected for detailed design

All 20 sites to be included in Master Plan

Selected sites should demonstrate a range of issues and opportunities

Selected sites should demonstrate ideas for all three River Districts

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US Army Corps of Engineers Los Angeles District

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THE LOS ANGELES RIVER REVITALIZATION MASTER PLAN

OUR RIVER, OUR FUTURE

Site Selection Criteria

Clean Water, Flood Safety

1. Improve Water Quality
2. Recharge Groundwater
3. Retain / Enhance Flood Protection
4. Attenuate Flows

Green the City

1. Create, Expand and Connect Wildlife Habitat
2. Create, Expand and Connect Park, Recreation and Open Space Area's
3. Improve River Aesthetics and Visibility

Build Community

1. Create Economic Reinvestment Opportunities
2. Create Multiple Community Benefits

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The Los Angeles River Revitalization Master Plan
Our River, Our Future
Opportunity Sites
Preferred sites for discussion
"Top 9"
Canoga Park High School
Sepulveda Basin
Spreading Grounds
Verdugo/North Atwater
Taylor Yards
Arroy Seco Confluence
Cornfields
Mission Road Yards
Downtown Industrial
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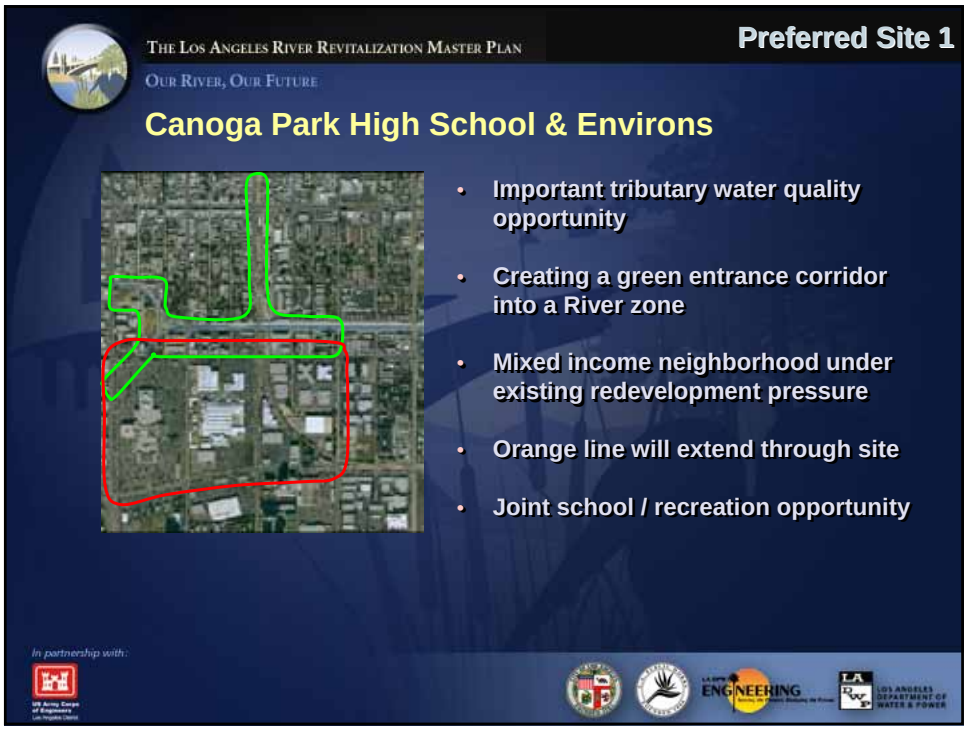
The Los Angeles River Revitalization Master Plan
Our River, Our Future
Preferred Site 1
Canoga Park High School & Environs
• Important tributary water quality opportunity
• Creating a green entrance corridor into a River zone
• Mixed income neighborhood under existing redevelopment pressure
• Orange line will extend through site
• Joint school / recreation opportunity
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THE LOS ANGELES RIVER REVITALIZATION MASTER PLAN

OUR RIVER, OUR FUTURE

Preferred Site 2

Sepulveda Basin

- Important tributary water quality opportunity
- Potential flood attenuation
- Best River restoration and habitat opportunity
- Potential for improved recreation facilities
- Public ownership allows early action

In partnership with:

THE LOS ANGELES RIVER REVITALIZATION MASTER PLAN

OUR RIVER, OUR FUTURE

Preferred Site 3

Spreading Grounds, Ferraro Fields & Verdugo Wash River Reach

- Important tributary water quality opportunity
- Potential flood attenuation
- Excellent River restoration and habitat opportunity
- Potential for improved recreation facilities
- Significant public ownership allows early action

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Preferred Site 4

Verdugo Wash to North Atwater Park

- Important tributary water quality opportunity
- River restoration and habitat opportunity
- Improved park / River / neighborhood connections in area of recreation need
- Industrial development opportunity with environmental enhancement
- Job creation opportunities

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Preferred Site 5

Taylor Yard

- Excellent River restoration and habitat opportunity
- Expansion of open space with River connection
- Improved park / River / neighborhood connections
- Opportunity to connect across River

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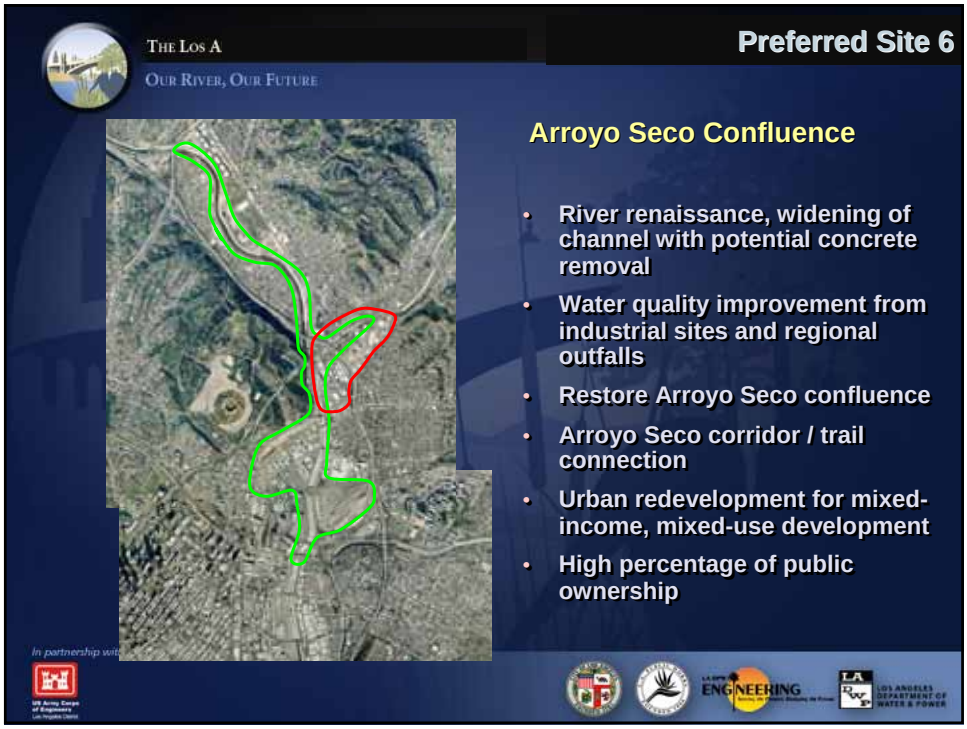
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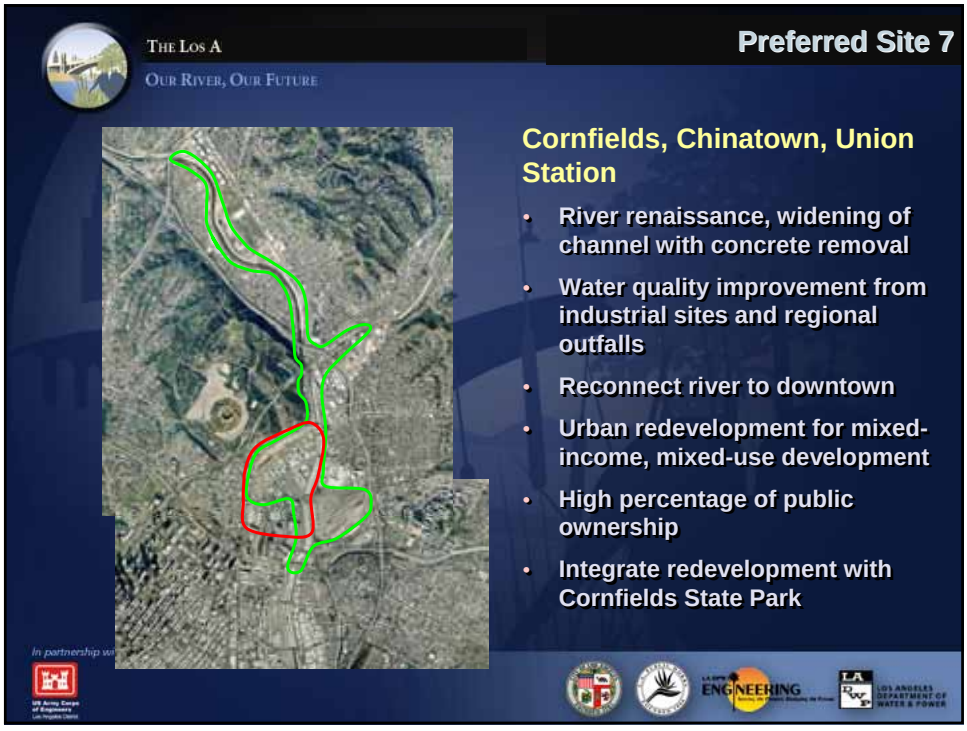
Preferred Site 6
Arroyo Seco Confluence
• River renaissance, widening of channel with potential concrete removal
• Water quality improvement from industrial sites and regional outfalls
• Restore Arroyo Seco confluence
• Arroyo Seco corridor / trail connection
• Urban redevelopment for mixed-income, mixed-use development
• High percentage of public ownership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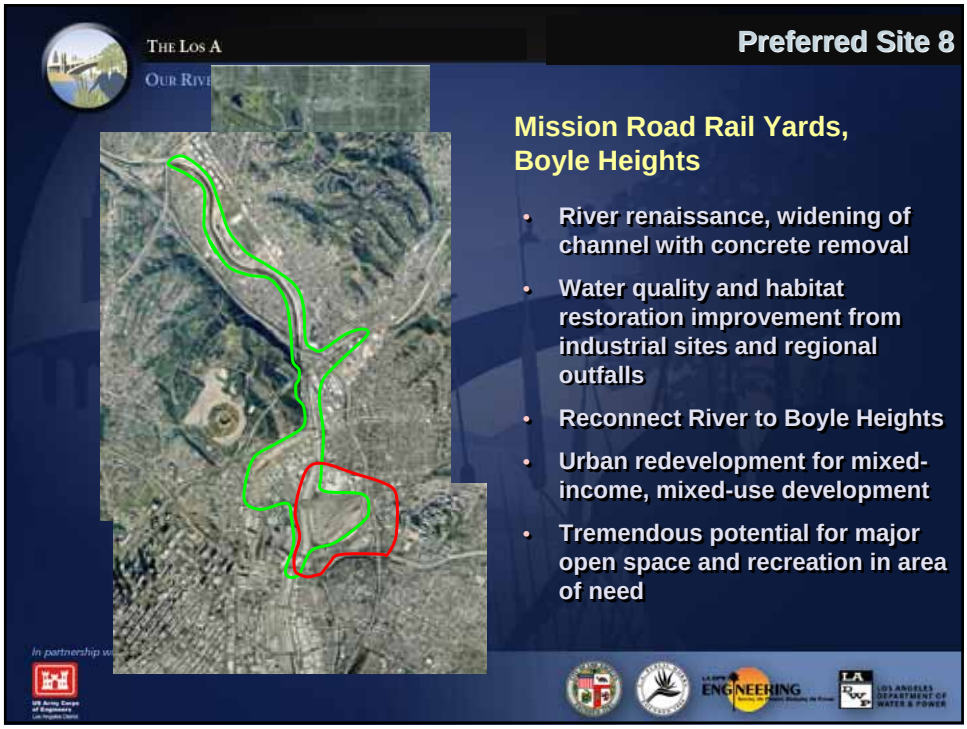
Preferred Site 7
Cornfields, Chinatown, Union Station
• River renaissance, widening of channel with concrete removal
• Water quality improvement from industrial sites and regional outfalls
• Reconnect river to downtown
• Urban redevelopment for mixed-income, mixed-use development
• High percentage of public ownership
• Integrate redevelopment with Cornfields State Park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Preferred Site 8
Mission Road Rail Yards,
Boyle Heights
• River renaissance, widening of channel with concrete removal
• Water quality and habitat restoration improvement from industrial sites and regional outfalls
• Reconnect River to Boyle Heights
• Urban redevelopment for mixed-income, mixed-use development
• Tremendous potential for major open space and recreation in area of need
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Preferred Site 9
Downtown Industrial, 1st St. - 7th St.
• River renaissance, with potential widening of channel
• Improved park / River / neighborhood connections in area of recreation need
• Industrial development opportunity with environmental enhancement
• Job creation opportunities
• Rail consolidation or structuring may be possible
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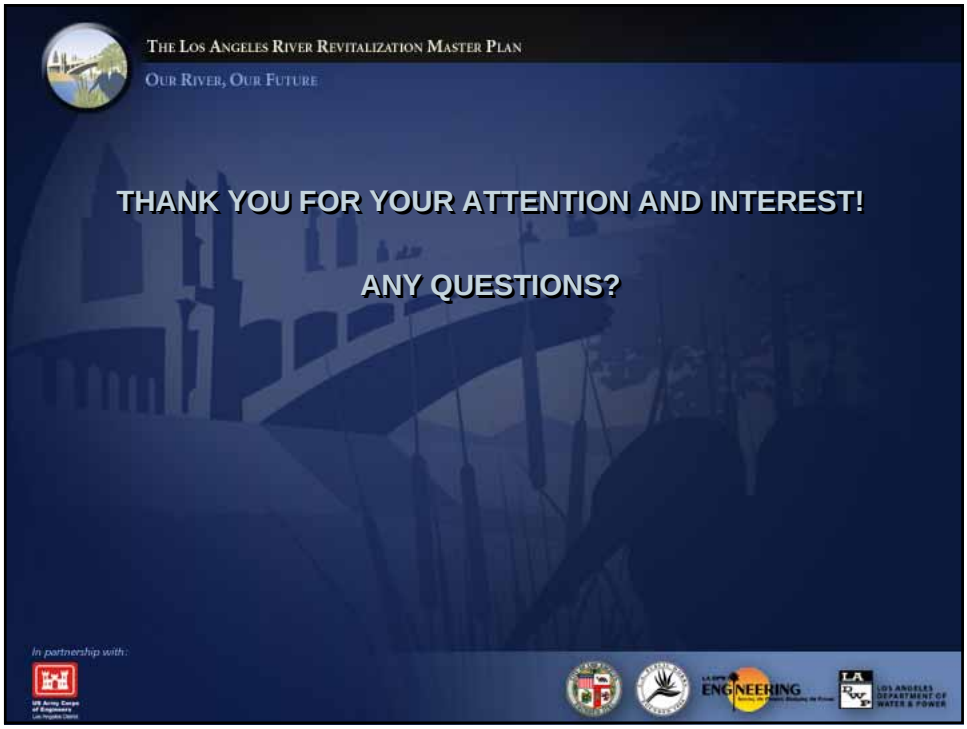
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THANK YOU FOR YOUR ATTENTION AND INTEREST!
ANY QUESTIONS?
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